

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An access control system ~~having comprising:~~

a standard access control system, ~~via which a large number~~ having a plurality of access points, ~~each be controlled via~~ access point being controllable by an individual physical locking mechanisms, with and including at least one reader ~~as well as~~ and a controller, which is connected to it, for controlling the locking mechanism being provided at each access point, and with at least one access control server ~~being provided, which carries~~ , said at least one access control server being operative to carry out central management of the access data and is being connected to the respective a plurality of said controllers;

at least one mobile telephony server connected to the access control server, which is at least indirectly able to send data via a mobile telephone network to mobile telephone subscribers, and to receive data from ~~them mobile telephone subscribers, in which case this mobile telephony server may also be an integral component of the access control server; and~~

~~characterized in that~~

a short-range transmitter ~~(9)~~ is provided at one specified location, said short-range transmitter being an independent unit having no direct connection to the standard access control system, said transmitter being operative to and transmits access-point-specific identification information in such a manner that this is received for reception by a mobile telephone which is located in the reception area of the transmitter, and is used at least indirectly by this to control the access control at a specific associated access point.

2. (currently amended): The access control system as claimed in claim 1, ~~characterized in that wherein~~ the specified location is a location in the area of the associated access point, such that the identification information from the transmitter can be received by the mobile telephone only in the immediate vicinity of the access point.

3. (currently amended): The access control system as claimed in claim 1, ~~characterized in that wherein~~ the specified location is a location in front of the associated access point, or is a specific working area.

4. (currently amended): The access control system as claimed in claim 1, ~~characterized in that wherein~~ the transmitter-(9) is a Bluetooth appliance, ~~particularly preferably~~ with a range of less than 10 meters, and ~~in that wherein~~ the authorized mobile telephone has a Bluetooth interface.

5. (currently amended): The access control system as claimed in claim 1, ~~characterized in that wherein~~ the transmitter is a WLAN station, and ~~in that wherein~~ the authorized mobile telephone has a WLAN interface.

6. (currently amended): The access control system as claimed in claim 1, ~~characterized in that wherein~~ the identification information is one of a hardware-specific, unique address of the transmitter, ~~particularly preferably~~ an appliance-specific 48-bit address of a Bluetooth appliance, or an address which is specific to a corresponding appliance for a WLAN appliance or a WLAN network.

7. (currently amended): The access control system as claimed in claim 1, ~~characterized in that wherein~~ the transmitter is in the form of an independent unit, which ~~preferably~~ has no direct connection to the ~~standard access control system and/or to the mobile telephony server.~~

8. (currently amended): The access control system as claimed in claim 1, ~~characterized in that wherein~~ the standard access control system also allows access control using ~~means without mobile telephony, in particular based on~~ RFID technology.

9. (currently amended): A method for access control, ~~particularly preferably~~ using an access control system ~~as claimed in claim 1, with having:~~

a standard access control system ~~being provided, via which that controls~~ a large number of access points ~~can each be~~, each of which is controlled ~~via by an~~ individual physical locking mechanisms, ~~with and has~~ at least one reader ~~as well as and~~ a controller, which is ~~connected to it,~~

~~preferably being provided in order is operative~~ to control the locking mechanism for each access point, and with wherein at least one access control server ~~being provided, which carries out~~ central management of the access data and is connected to the respective controllers;

and with- at least one mobile telephony server ~~being provided, that is~~ connected to the access control server, and is operative ~~which is~~ at least indirectly able to send data via a mobile telephone network to mobile telephone subscribers, and to receive data from them mobile telephone subscribers, ~~in which case this mobile telephony server (5) may also be an integral component of the access control server;~~

~~characterized in that~~

a short-range transmitter that is provided with a specified location; and in the form of an independent unit, with no direct connection to the standard access control system; and preferably at at least one access point; in that

a mobile telephone is authorized for access at specific access points in a specific time period via the access control server, and/or via the mobile telephony server via the mobile telephone network, said method comprising:

~~in that transmitting from~~ the transmitter ~~transmits~~ access-point-specific identification information continuously or at times, ~~in such a manner that it can be~~ and receiving the information received by only a mobile telephone -which is located in the reception area of the transmitter,

~~in that detecting by~~ a mobile telephone which is located in the reception area of the transmitter ~~detects the identification of this the~~ transmitter via ~~this the~~ identification information, and

~~in that opening~~ the access point associated with the transmitter ~~is then opened~~, with direct or indirect use of ~~this the~~ identification information, via the mobile telephone, the mobile telephone network, the mobile telephony server, the access control server and the controller.

10. (currently amended): The method as claimed in claim 9, ~~characterized in that wherein~~ the transmitter-(9) is arranged in the vicinity of the access point-(1) in such a manner that the mobile telephone-(7) ~~can receive~~ is operative for receiving its identification information only in the immediate vicinity of the access point-(1).

11. (currently amended): The method as claimed in claim 9, ~~characterized in that~~ wherein, after detection of the identification information, the mobile telephone additionally demands the input of an user-specific authentication ~~in particular such as a PIN code, password or biometric information~~, and this said user-specific information is transmitted together with the identification of the access point to be processed via the mobile telephone network to the mobile telephony server ~~and to the access control server~~, which then activates the associated controller.

12. (currently amended): The method as claimed in claim 9, ~~characterized in that~~ wherein the mobile telephone transmits the identification information and if appropriate the PIN code via the GSM network in the form of a telephonic data transmission or in the form of an SMS to the access control server.

13. (currently amended): The method as claimed in claim 7 ~~2~~, ~~characterized in that~~ wherein the transmitter is a Bluetooth appliance or a WLAN appliance, which transmits its unique address as identification information, and this address is used to identify the associated access point, and ~~in that~~ wherein the mobile telephone has a Bluetooth interface or a WLAN interface, in which case the mobile telephone automatically starts an appropriate dialogue with the mobile telephone user on reception of specific addresses of this type which are transmitted in the course of the authorization process and correspond to the authorized access points, possibly requests authentication of the user, and in any case then transmits a request to open the specific access point via the mobile telephone network to the mobile telephony server and to the access control server.

14. (currently amended): The method as claimed in claim 9, ~~characterized in that~~ wherein the transmitter is a Bluetooth appliance or a WLAN appliance, which ~~is arranged in the area of the a gateway, and wherein in such a way that~~ the identification information ~~can be is~~ received by a mobile telephone only within a distance of less than 1 m, ~~particularly preferably less than 0.5 m~~ outside and in front of the gateway.

15. (currently amended): The method as claimed in claim 9, ~~characterized in that~~ wherein the transmitter is a Bluetooth appliance or a WLAN appliance, which is arranged in a specific area in front of the associated access point, or in a working area associated with the access point.

16. (currently amended): A time recording system having
a standard time recording system which comprises at least one time recording server
which carries out central management of the time data;

at least one mobile telephony server operative in conjunction with the time recording
server, which is at least indirectly able to transmit data via a mobile telephone network to mobile
telephone subscribers, or to receive data from them mobile telephone subscribers, in which case
this mobile telephony server may also be an integral component of the time recording server;
characterized in that and

a short-range transmitter is provided for at least one authorized area, which transmitter is
in the form of an independent unit, with no direct connection to the standard time recording
system, and is operative to ~~and~~ transmits area-specific identification information in such a way
that ~~the information~~ is received only by a mobile telephone which is located in the immediate
vicinity of the authorized area, and is used by ~~this~~ said mobile telephone at least indirectly for the
manipulation of the time data.

17. (currently amended): A method for time recording, ~~particularly preferably~~ using a
time recording system ~~as claimed in claim 12, with having:~~

a standard time recording system ~~which comprises~~ with at least one time recording server
carrying out central management of the time data,

~~and with~~ at least one mobile telephony server in conjunction with the time recording
server, ~~which is~~ at least indirectly ~~able to transmitting~~ data via a mobile telephone network to
mobile telephone subscribers, or ~~to receive~~ receiving data from them mobile telephone
subscribers, in which case this mobile telephony server may also be an integral component of the
time recording server;

~~in that~~ a short-range transmitter is provided for at least one authorized area, which
transmitter is in the form of an independent unit, with no direct connection to the standard time
recording system and is operative to transmit area-specific identification information in such a
way that the information is received only by a mobile telephone which is located in the
immediate vicinity of the authorized area, and is used by said mobile telephone at least indirectly
for the manipulation of the time data,

characterized in that and

a mobile telephone is authorized to input time data in specific authorized areas, in at least one specific time period, via the time recording server and via the mobile telephony server via the mobile telephone network, the method comprising:

~~in that transmitting by~~ the transmitter ~~transmits~~-area-specific identification information continuously or at times, in such a manner that it can be received only by a mobile telephone which is located in the immediate vicinity of the authorized area,

~~in that detecting by~~ a mobile telephone which is located in the immediate vicinity of the area ~~detects~~ the identification of ~~this the~~ area via ~~this the~~ identification information,

and ~~in that transmitting~~ time data ~~is then transmitted~~ to the time recording server, and/or ~~is checked~~ checking by the ~~latter~~ server, via the mobile telephone, the mobile telephone network and the mobile telephony server.

18. (currently amended): A computer readable medium storing a data processing program, which can run on a mobile telephone, for carrying out a method as claimed in claim 9, which is designed to transmit identification information, received via a Bluetooth or WLAN interface, from a transmitter, possibly together with additional information requested in a request, such as a PIN code, a password or biometric information, automatically via the GSM network to an access control server.

19. (currently amended): A mobile telephone having a computer readable medium storing a data processing program as claimed in claim 18.